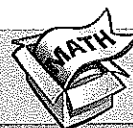


**LESSON**  
**9•9**
**Math Boxes**


1. Use the distributive property to remove parentheses. Then combine like terms.

a.  $3(t + 3) + 4t$  \_\_\_\_\_

b.  $19 - 4(5y + 1) - 4y$  \_\_\_\_\_

c.  $10 + 7m - 2(3m + 5)$  \_\_\_\_\_

d.  $-7(2p - 1) + 3(8 - p)$  \_\_\_\_\_



2. Solve each equation.

a.  $-2(g + 6) = g + 3 + 2g$

$g =$  \_\_\_\_\_

b.  $2(2x + \frac{1}{2}) = 3(x - \frac{2}{3})$

$x =$  \_\_\_\_\_



3. Circle the equation that describes the relationship between the numbers in the table at the right.

A.  $(x * 4) - 3 = y$

B.  $(4 * x) + 3 = y$

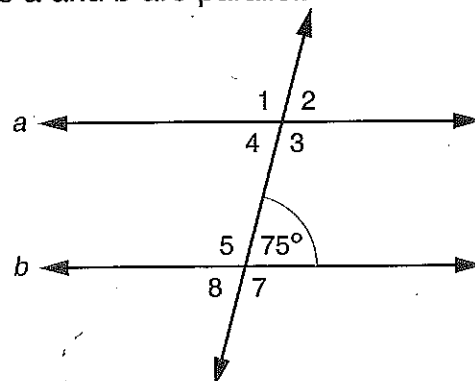
C.  $(y * 5) - 3 = x$

D.  $(4 * y) + 3 = x$

$x$	$y$
$\frac{1}{4}$	-2
$\frac{1}{2}$	-1
4	13
10	37



4. Without using a protractor, find the measure of each numbered angle below. Write each measure on the drawing. Lines  $a$  and  $b$  are parallel.



5. a. Using a compass, draw 2 concentric circles in the space at the right. The radius of the small circle is 1.5 cm. The radius of the large circle is 2 cm.

- b. What is the area of the ring between the 2 circles? Use 3.14 for  $\pi$ .

About \_\_\_\_\_  $\text{cm}^2$

